

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 25/07/2018 Revision date: :

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Product form	: Mixture
Product name	: LC Florida TRPH Standard
Product code	: AL0-101717
Product group	: Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses	
Main use category	: Laboratory Use
Industrial/Professional use spec	: Industrial For professional use only
Use of the substance/mixture	: Certified reference material for laboratory use only
1.2.2. Uses advised against	

No additional information available

1.3. Details of the supplier of the safety data sheet

Phenova 6390 Joyce Dr. Suite 100 80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number

: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Skin Irrit. 2	H315
OKIII IIIII. Z	11313
Repr. 2	H361
STOT SE 3	H336
STOT RE 2	H373
Aquatic Chronic 2	H411

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Repr.Cat.3; R62 F; R11 Xn; R48/20 Xi; R38 N; R51/53 R67 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)	
	GHS02 GHS07 GHS08 GHS09
Signal word (CLP)	: Danger
Hazardous ingredients	: hexane
Hazard statements (CLP)	 H225 - Highly flammable liquid and vapor H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P260 - Do not breathe dust/fume/gas/mist/vapors/spray P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P308+P313 - IF exposed or concerned: Get medical advice/attention P322+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use media other than water to extinguish P391 - Collect spillage P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

No labeling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hexane	(CAS No) 110-54-3 (EC-No.) 203-777-6 (EC index no) 601-037-00-0	99.15	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Name	Product identifier	Specific co	oncentration limits
hexane	(CAS No) 110-54-3 (EC-No.) 203-777-6 (EC index no) 601-037-00-0	(C >= 5) STC	DT RE 2, H373

SECTION 4: First aid measures

4.1. Description of first aid measur	es
First-aid measures general	: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. First-aid measures after ingestion Most important symptoms and effects, both acute and delayed 4.2. Symptoms/effects after skin contact : Causes skin irritation. Indication of any immediate medical attention and special treatment neede No additional information available **SECTION 5: Firefighting measures** 5.1. Extinguishing media Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Unsuitable extinguishing media : Do not use a heavy water stream. Special hazards arising from the substance or mixture 5.2. Fire hazard : Highly flammable liquid and vapor. Explosion hazard : May form flammable/explosive vapor-air mixture. 5.3. Advice for firefighters : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any **Firefighting instructions** chemical fire. Prevent fire-fighting water from entering environment. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. **SECTION 6: Accidental release measures** Personal precautions, protective equipment and emergency procedur 6.1. For non-emergency personnel 6.1.1. Emergency procedures : Evacuate unnecessary personnel. 6.1.2. For emergency responders Protective equipment : Equip cleanup crew with proper protection. Emergency procedures : Ventilate area. 6.2. **Environmental precautions** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Methods and material for containment and cleaning up Methods for cleaning up : Take up in absorbent material. Collect spillage. 6.4. Reference to other sections See Heading 8. Exposure controls and personal protection. SECTION 7: Handling and storage 7.1. Precautions for safe handling Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Wash hands and other exposed areas with mild soap and water before eating, drinking or Precautions for safe handling smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Gently wash with plenty of soap and water. Hygiene measures Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Conditions for safe storage, including any incompatibilities : Proper grounding procedures to avoid static electricity should be followed. Ground/bond Technical measures container and receiving equipment. Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a Storage conditions well-ventilated place. Keep away from any flames or sparking source. Direct sunlight. Heat sources. Incompatible materials Specific end use(s) 7.3.

No additional information available

1	SECTION 8: Exposure c 8.1. Control parameters	ontrols/personal protection	
	hexane (110-54-3)		
	EU	IOELV TWA (mg/m³)	72 mg/m ³ (n-Hexane; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)

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hexane (110-54-3)		
EU	IOELV TWA (ppm)	20 ppm (n-Hexane; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m³)	72 mg/m³ (n-Hexane; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	20 ppm (n-Hexane; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)	72 mg/m ³ (n-Hexane; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
France	VME (ppm)	20 ppm (n-Hexane; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50 ppm (n-Hexane; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Netherlands	Grenswaarde TGG 8H (mg/m³)	72 mg/m ³ (n-Hexaan; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 8H (ppm)	20 ppm (n-Hexaan; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	144 mg/m³ (n-Hexaan; Netherlands; Short time value; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (ppm)	40 ppm (n-Hexaan; Netherlands; Short time value; Public occupational exposure limit value)
United Kingdom	WEL TWA (mg/m³)	72 mg/m³ n-Hexane; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	20 ppm n-Hexane; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)

8.2. Exposure controls	
Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
Derechal protective equipment	· Avoid all uppersonant experience. Claves, Protective elething, Protective geograps, Sofety

Personal protective equipment

: Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



Hand protection	: Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.
Eye protection	: Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	: Wear suitable protective clothing. Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and cl	hemical properties
Physical state	: Liquid
Color	: Colorless.
Odor	: characteristic.
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapor
Relative density	: No data available

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according to Regulation (EC) No. 1907/2006 (REACH) wit	
Solubility	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Highly flammable liquid and vapor. May form flam	mable/explosive vapor-air mixture.
10.3. Possibility of hazardous reactions	
Not established.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperature	es. Open flame.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
May release flammable gases.	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
·····,	
hexane (110-54-3)	
hexane (110-54-3) LD50 oral rat	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402)
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral)	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation.
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral)	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : May cause cancer
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Suspected of damaging fertility or the unborn child.
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Suspected of damaging fertility or the unborn child. : May cause drowsiness or dizziness.
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity – single exposure Specific target organ toxicity – repeated	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Suspected of damaging fertility or the unborn child. : May cause drowsiness or dizziness. Based on available data, the classification criteria are not met
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity – single exposure Specific target organ toxicity – repeated exposure	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Suspected of damaging fertility or the unborn child. : May cause drowsiness or dizziness. Based on available data, the classification criteria are not met : May cause damage to organs through prolonged or repeated exposure.
hexane (110-54-3) LD50 oral rat LD50 dermal rabbit ATE CLP (oral) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity Specific target organ toxicity – single exposure Specific target organ toxicity – repeated exposure	16000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value) > 3350 mg/kg body weight (Rabbit; Read-across; Equivalent or similar to OECD 402) 16000 mg/kg body weight : Causes skin irritation. : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Not classified Based on available data, the classification criteria are not met : Suspected of damaging fertility or the unborn child. : May cause drowsiness or dizziness. Based on available data, the classification criteria are not met : May cause damage to organs through prolonged or repeated exposure. : Not classified

SECTIO	N 12: Eco	logical in	formation

40.4	Tanialta
112.1.	IOXICITV

hexane (110-54-3)	
LC50 fish 1	2.5 mg/l (LC50; 96 h)
EC50 Daphnia 1	2.1 mg/l (EC50; 48 h)
Threshold limit algae 2	26 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system)

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12.2. Persistence and degradability	
LC Florida TRPH Standard	
Persistence and degradability	Not established.
hexane (110-54-3)	
Persistence and degradability	Readily biodegradable in water. Photooxidation in water. easily degradable in the soil.
ThOD	3.52 g O ₂ /g substance
BOD (% of ThOD)	0.63 (Literature study)
12.3. Bioaccumulative potential	
LC Florida TRPH Standard	
Bioaccumulative potential	Not established.
hexane (110-54-3)	
BCF fish 1	501.187 (BCF; Other; Pimephales promelas)
Log Pow	3.5 - 3.94 (Calculated)
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).
12.4. Mobility in soil	
hexane (110-54-3)	
Surface tension	0.018 N/m (25 °C; 1 g/l)
Log Кос	Koc,2187.76; QSAR; log Koc; 3.34; QSAR
12.5. Results of PBT and vPvB assessmen	
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
	Dispose in a safe manner in accordance with local/national regulations.
	: Handle empty containers with care because residual vapors are flammable.
	: Avoid release to the environment.
SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / AD	
14.1. UN number	N
	: 1993
	: 1993
	: 1993
	: 1993
	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.
	FLAMMABLE LIQUID, N.O.S.
	: FLAMMABLE LIQUID, N.O.S.
	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
,	· ·
14.3. Packing group	
14.3. Packing group	
	: 3
Class (ADR)	: 3 : F1
Class (ADR) Classification code (ADR)	
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG)	: F1
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN)	: F1 : 3 : 3 : 3
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	: F1 : 3 : 3 : 3 : F1
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	: F1 : 3 : 3 : 3
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	: F1 : 3 : 3 : 3 : F1
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	: F1 : 3 : 3 : 3 : F1
Class (ADR) Classification code (ADR) Class (IATA) Class (IMDG) Class (ADN) Classification code (ADN)	: F1 : 3 : 3 : 3 : F1

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Hazard labels (IATA)	: 3
Hazard labels (IMDG)	: 3
	3
Hazard labels (ADN)	: 3
	3
14.4. Packing group	
Packing group (ADR)	
Packing group (IATA) Packing group (IMDG)	
Packing group (ADN)	
14.5. Environmental hazards	
Dangerous for the environment	: ^
-	XUL \
	$\langle \mathbf{I}_{2} \rangle$
Other information	: No supplementary information available.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 33
Classification code (ADR)	: F1
Orange plates	
Orange plates	
Orange plates	
	33 1993
Special provision (ADR)	33 1993 274, 601, 640D
Special provision (ADR) Transport category (ADR)	33 1993 274, 601, 640D 2
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR)	 33 1993 274, 601, 640D 2 D/E
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR) Limited quantities (ADR)	33 1993 274, 601, 640D 2 D/E 11
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR)	 33 1993 274, 601, 640D 2 D/E
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR) Limited quantities (ADR)	33 1993 274, 601, 640D 2 D/E 11
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Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR) Limited quantities (ADR) Excepted quantities (ADR) 14.6.2. Transport by sea Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) 14.6.3. Air transport CAO packing instructions (IATA)	 33 1993 274, 601, 640D 2 D/E 11 E2 274 11 E2 274 11 E2 P001 IBC02 T7 TP1, TP8, TP28 F-E S-E B 364
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR) Limited quantities (ADR) Excepted quantities (ADR) 14.6.2. Transport by sea Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) 14.6.3. Air transport CAO packing instructions (IATA) CAO max net quantity (IATA)	 33 1993 274, 601, 640D 2 D/E 11 E2 274 11 E2 274 11 E2 P001 IBC02 T7 TP1, TP8, TP28 F-E S-E B 364 60L
Special provision (ADR) Transport category (ADR) Tunnel restriction code (ADR) Limited quantities (ADR) Excepted quantities (ADR) 14.6.2. Transport by sea Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) 14.6.3. Air transport CAO packing instructions (IATA)	 33 1993 274, 601, 640D 2 D/E 11 E2 274 11 E2 274 11 E2 P001 IBC02 T7 TP1, TP8, TP28 F-E S-E B 364

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

PCA limited quantity max net quantity (IATA)	: 1L
PCA max net quantity (IATA)	: 5L
PCA Excepted quantities (IATA)	: E2
Special provision (IATA)	: A3
ERG code (IATA)	: 3H
14.6.4. Inland waterway transport	
Special provision (ADN)	: 274, 601, 640D
Limited quantities (ADN)	: 1L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Carriage prohibited (ADN)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no REACH candidate substance Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

1	Water ha	zard class (WGK)	:	2 - hazardous to water
	15.2.	Chemical safety assessment		

No chemical safety assessment has been carried out

SECTION 16: Other information		
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.	
Other information	: None.	

PHV SDS EU

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